

### ABSTRACT OF THE DISCLOSURE

An inventive video camera imager supports an interlace scan mode, a dynamic range-widening scan (WS) mode and a sequential scan mode with a limited amount of circuitry. For this, a WS image signal of  $2N$  lines and a sequential scan image signal of  $2N$  lines ( $N$  is the number of scan lines of an image to be obtained) is used. Every other line of WS image signal is longer in exposure time than adjacent lines of the WS image signal. A simplified imager may support only interlace scan mode and sequential scan mode, or may support only WS mode and sequential scan mode.

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